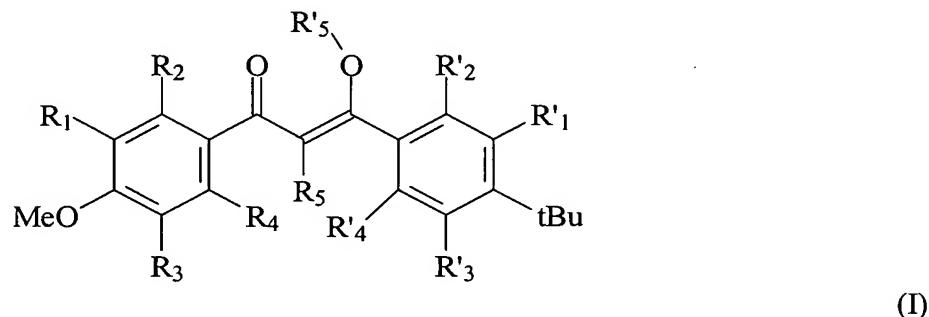


Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (Cancelled)

16. (New) A compound, selected from the group consisting of a dibenzoylmethane-based compound of formula (I),



a salt of the dibenzoylmethane-based compound, and a solvate of the dibenzoylmethane-based compound, wherein:

R₁, R'₁, R₂, R'₂, R₃, R'₃, R₄ and R'₄ each independently represents a member selected from the group consisting of:

a hydrogen atom;
a linear or branched alkyl group containing from 1 to 4 carbon atoms;
a linear or branched alkenyl group containing from 1 to 4 carbon atoms;

a linear or branched alkynyl group containing from 1 to 4 carbon atoms;

a C₁ to C₄ alkoxy group;
a halogen atom;

a hydroxyl group;
an amino group;
a nitro group;
an amido group; and
a carbonyl group of formula -CO-Y where Y represents a halogen atom, a hydroxyl group, an -OR group or an-SR group, where R represents a C₁ to C₄ alkyl group;

R₅ and R'₅ each independently represents a member selected from the group consisting of:

a hydrogen atom;
a linear or branched alkyl group containing from 1 to 4 carbon atoms;
and
a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms; and
R₅ is different from R'₅.

17. (New) The compound of claim 16, wherein R₁, R'₁, R₂, R'₂, R₃, R'₃, R₄, and R'₄ each represents a hydrogen atom.

18. (New) The compound of claim 16, wherein:

R₁, R'₁, R₂, R'₂, R₃, R'₃, R₄, and R'₄ each represents a hydrogen atom; and
R₅ and R'₅ each independently represents a hydrogen atom or a saturated linear acyclic carbon-based chain containing 10 carbon atoms.

19. (New) A photoactivatable sunscreen comprising the compound of claim 16 as an active ingredient.

20. (New) A cosmetic and/or dermatological composition, comprising the photoactivatable sunscreen of claim 19.

21. (New) The cosmetic and/or dermatological composition of claim 20, further comprising a screening agent selected from the group consisting of: Parsol 1789, 2,4,6-tris[p-(2'-ethylhexyl-1'-oxycarbonyl)anilino]-1,3,5-triazine, 4-(t-butyl)-4'-methoxydibenzoyl-methane, 2-hydroxy-4-methoxybenzophenone and 3-(4'-methylbenzylidene)camphor.

22. (New) The cosmetic and/or dermatological composition of claim 20, wherein the active ingredient is present in an amount of from about 0.5 to about 30 % by weight relative to a total weight of the composition.

23. (New) The cosmetic and/or dermatological composition of claim 20, wherein the active ingredient is present in an amount of from about 1 to about 10 % by weight relative to a total weight of the composition.

24. (New) A method of protecting skin against sunlight, comprising applying the compound of claim 16 to skin that will be exposed to sunlight.

25. (New) A cosmetic and/or dermatological composition for protecting skin and/or hair against UV radiation, comprising the compound of claim 16 as an active ingredient, wherein the composition is photoactivatable and/or suitable for prolonged use.

26. (New) A method of protecting skin and/or hair against UV radiation, comprising applying the compound of claim 16 to skin and/or hair that will be exposed to UV radiation.

27. (New) A process for preparing the composition of claim 16, comprising:
forming a complex in aqueous or organic medium, between a precursor molecule of general formula (I) where R₅ represents a first precursor hydrogen atom and R'₅ represents a second precursor hydrogen atom, and an alkylammonium halide; and substituting at least one of the precursor hydrogen atoms through the action of at least one of a halide of the formula R₆X, and a halide of formula R₇X, where R₆ and R₇ are different and each independently represents a member selected from the group consisting of:

a linear or branched alkyl group containing from 1 to 4 carbon atoms;

and

a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms.

28. (New) The process of claim 27, wherein:

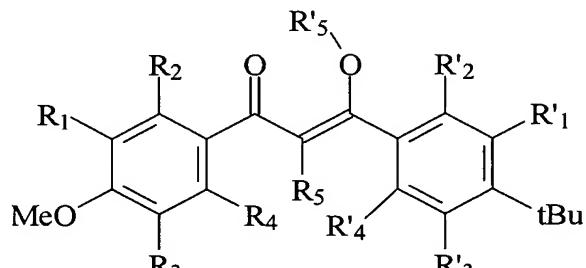
R₆X and R₇X are alkylating agents; and

R₆X and R₇X each independently represents a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 1 to 20 carbon atoms.

29. (New) 3-(4-tert-Butylphenyl)-3-decanoxy-1-(4-methoxyphenyl)prop-2-ene-1-one.

30. (New) 3-(4-tert-Butylphenyl)-2-decanyl-1-(4-methoxyphenyl)propane-1,3-dione.

31. (New) A compound, selected from the group consisting of a dibenzoylmethane-based compound of formula (I)



(I)

a salt of the dibenzoylmethane-based compound, and a solvate of the dibenzoylmethane-based compound, wherein:

R₁, R'₁, R₂, R'₂, R₃, R'₃, R₄ and R'₄ each independently represents a member selected from the group consisting of:

a hydrogen atom;
a linear or branched alkyl group containing from 1 to 4 carbon atoms;
a linear or branched alkenyl group containing from 1 to 4 carbon atoms;
a linear or branched alkynyl group containing from 1 to 4 carbon atoms;
a C₁ to C₄ alkoxy group;
a halogen atom;
a hydroxyl group;
an amino group;
a nitro group;
an amido group; and
a carbonyl group of formula –CO-Y where Y represents a halogen atom, a hydroxyl group, an -OR group or an–SR group, where R represents a C₁ to C₄ alkyl group; and

R₅ and R'5 each independently represents a member selected from the group consisting of:

a linear or branched alkyl group containing from 1 to 4 carbon atoms;
a linear or branched alkenyl group containing from 1 to 4 carbon atoms;
a linear or branched alkynyl group containing from 1 to 4 carbon atoms;
a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms;

a linear or branched, saturated or unsaturated acyclic carbon-based chain, functionalized at its end, containing from 5 to 20 carbon atoms; and
a linear or branched, saturated or unsaturated acyclic carbon-based chain, comprising a nitrogen atom of amine or amide function and/or an oxygen atom of ether or carboxylic function, containing from 5 to 20 carbon atoms.

32. (New) A photoactivatable sunscreen comprising the compound of claim 31 as an active ingredient.

33. (New) A cosmetic and/or dermatological composition, comprising the photoactivatable sunscreen of claim 32.

34. (New) The cosmetic and/or dermatological composition of claim 33, further comprising a screening agent selected from the group consisting of: Parsol 1789, 2,4,6-tris[p-(2'-ethylhexyl-1'-oxycarbonyl)anilino]-1,3,5-triazine, 4-(t-butyl)-4'-methoxydibenzoylmethane, 2-hydroxy-4-methoxybenzophenone and 3-(4'-methylbenzylidene)camphor.

35. (New) The cosmetic and/or dermatological composition of claim 33, wherein the active ingredient is present in an amount of from about 0.5 to about 30 % by weight relative to a total weight of the composition.

36. (New) The cosmetic and/or dermatological composition of claim 33, wherein the active ingredient is present in an amount of from about 1 to about 10 % by weight relative to a total weight of the composition.

37. (New) A method of protecting skin against sunlight, comprising applying the compound of claim 31 to skin that will be exposed to sunlight.

38. (New) A cosmetic and/or dermatological composition for protecting skin and/or hair against UV radiation, comprising the compound of claim 31 as an active ingredient, wherein the composition is photoactivatable and/or suitable for prolonged use.

39. (New) A method of protecting skin and/or hair against UV radiation, comprising applying the compound of claim 31 to skin and/or hair that will be exposed to UV radiation.

40. (New) A process for preparing the composition of claim 31, comprising:
forming a complex in aqueous or organic medium, between a precursor molecule of general formula (I) where R₅ represents a first precursor hydrogen atom and R'₅ represents a second precursor hydrogen atom, and an alkylammonium halide; and substituting the precursor hydrogen atoms through the action of a halide of formula R₆X and a halide of formula R₇X, where R₆ and R₇ each independently represents a member selected from the group consisting of :
a linear or branched alkyl group containing from 1 to 4 carbon atoms;
a linear or branched alkenyl group containing from 1 to 4 carbon atoms;
a linear or branched alkynyl group containing from 1 to 4 carbon atoms;
a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms;
a linear or branched, saturated or unsaturated acyclic carbon-based chain, functionalized at its end, containing from 5 to 20 carbon atoms; and
a linear or branched, saturated or unsaturated acyclic carbon-based chain, comprising a nitrogen atom of amine or amide function and/or an oxygen atom of ether or carboxylic function, containing from 5 to 20 carbon atoms.

41. (New) The process of claim 40, wherein:

R₆X and R₇X are alkylating agents; and

R₆X and R₇X each independently represents a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 1 to 20 carbon atoms.